

FIU's Resources and Past Experiences in the Mentor-Protégé Program

March 15, 2005





FIU

FLORIDA INTERNATIONAL UNIVERSITY
Miami's public research university

Evolution of FIU



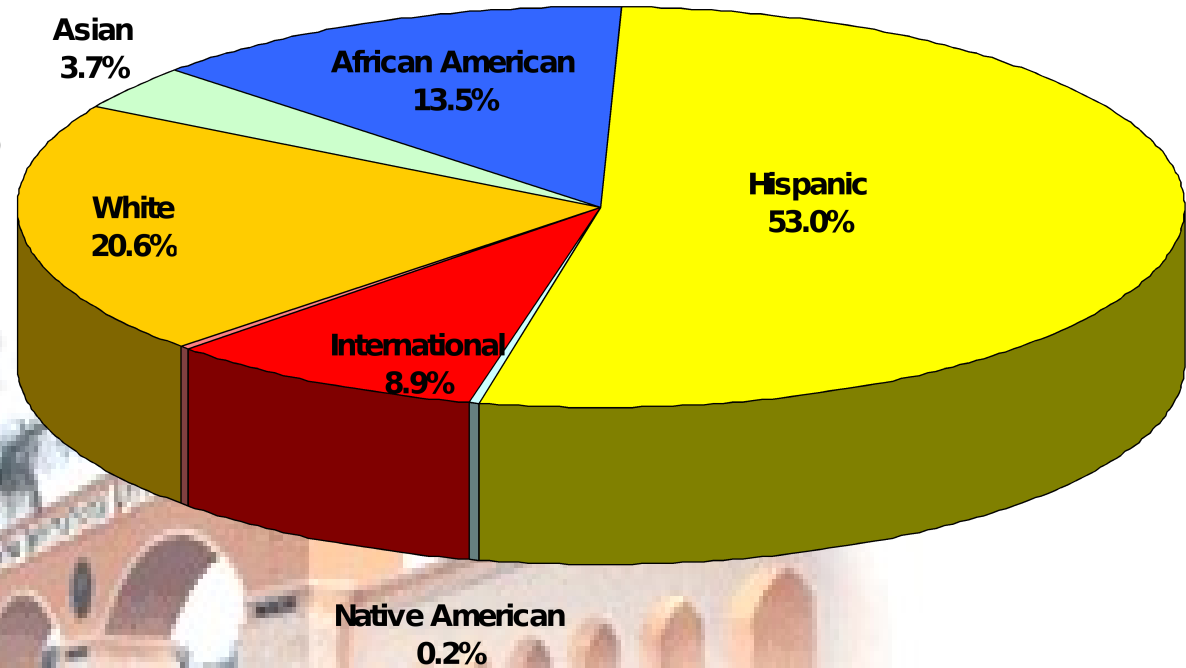
6,000 students



- **35,000 students**
- **Among the nation's 30 largest universities**
- **Multi-campus university on 579 acres**
- **100,000 alumni**



- **Carnegie Doctoral/Research University-Extensive Institution**
- **Florida's only public urban university with a chapter of Phi Beta Kappa**
- **Top producer of Hispanic graduates in the US; third largest producer of minority graduates**



Over 200 different degree programs in 19 colleges and schools

8,012 employees, among Miami-Dade County's 20 largest employers

Economic impact of more than \$1.6 billion on the South Florida economy

Sponsored research funding from outside sources \$70 million in 2003-04

2003-04 operating budget of \$522 million



FIU Applied Research Goals

- FIU's Goal - Create a centralized FIU Applied Research and Technology Development Center
 - Lead development of applied research across University
 - Operationally Integrate with FIU's Entrepreneurship Center, College of Business, College of Engineering
 - Pursue unique IP opportunities
 - Build IP capacity
 - Based upon IP generated, create technology incubators
 - Develop academic research alliances and joint efforts



Vision and Mission

Vision Statement

- To be the leading international University-based applied research institution providing value-driven real-world solutions.

Mission Statement

- Solve complex issues in environmental stewardship, energy security, and defense technology through innovative cooperative research
- Apply entrepreneurship in serving our clientele and ensuring sustainability and growth
- Provide unique mentoring and internship opportunities to the students of FIU
- Develop and maintain an internationally-recognized proficient and diverse workforce



- Only fully externally-funded research Center at FIU
- 325 projects - \$60 Million total awards since inception
- Grew to \$10 million/yr. gross revenue by 2003
- Full-time staff peaked at 100 in 2003
- Excellent record of entrepreneurship and marketing
- Currently 150 staff – FY 2004/2005

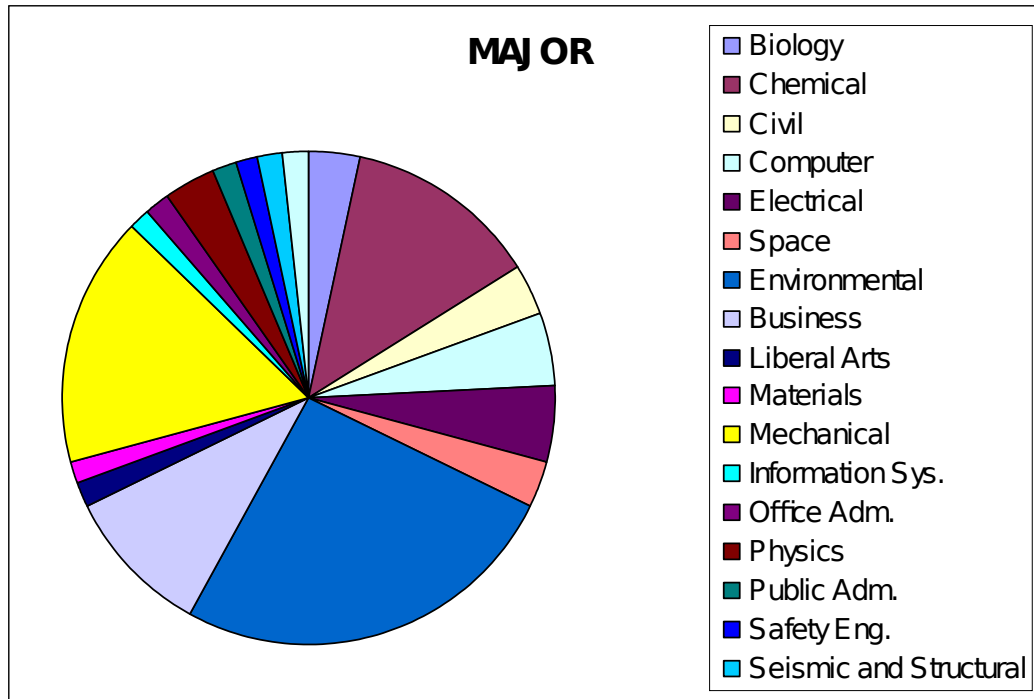


Organizational Strengths

- Broad-based, highly credentialed skill mix
- Focus on applied solutions – not simply theory
- Structured to handle multiple projects
- Broad agency reach
- Entrepreneurial approach
- Cost advantage



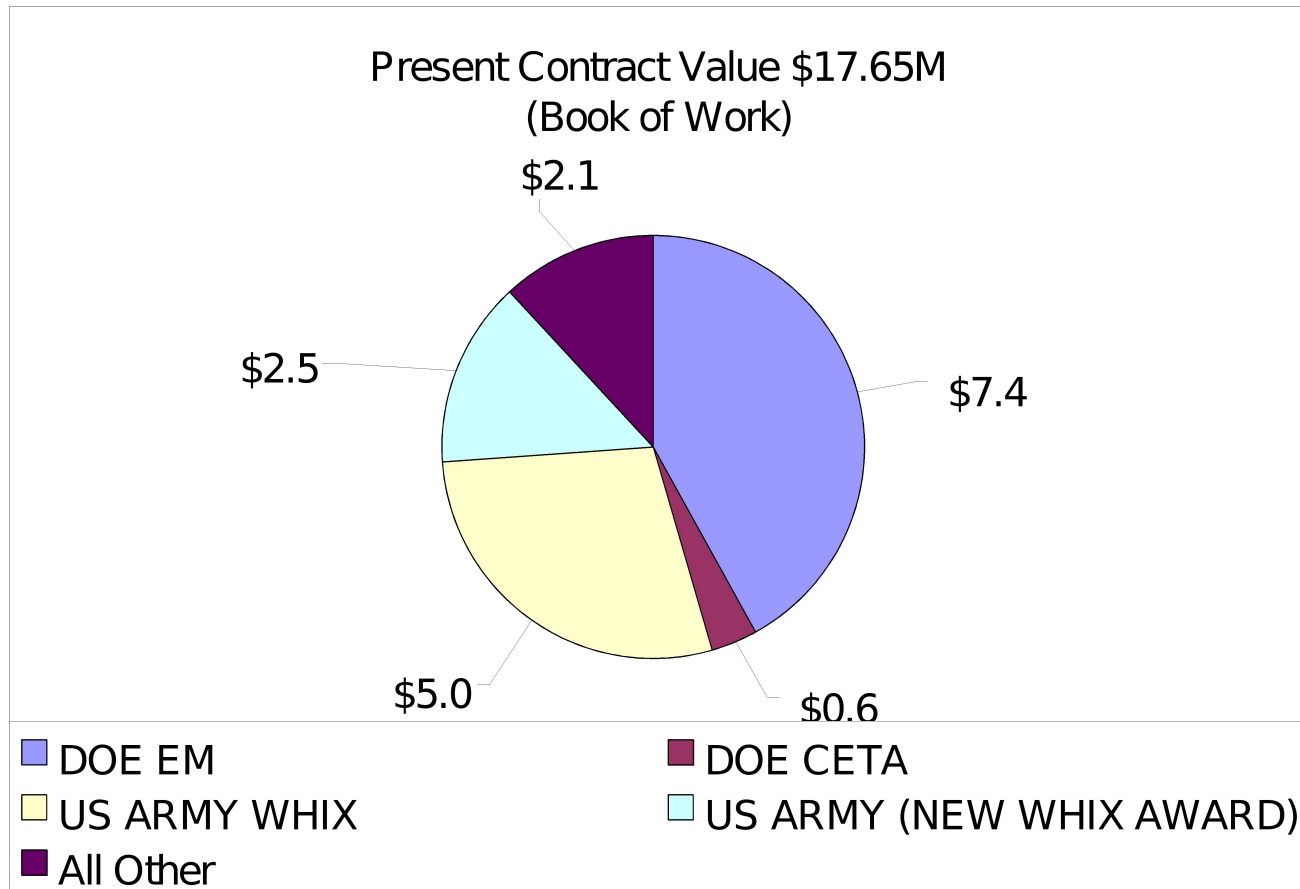
Current Capabilities



Biology	2
Chemical	8
Civil	2
Computer	3
Electrical	3
Space	2
Environmental	16
Business	6
Liberal Arts	1
Materials	1
Mechanical	10
Information Sys.	1
Office Adm.	1
Physics	2
Public Adm.	1
Safety Eng.	1
Seismic and Structural	1



Center Status



- Environmental & Engineering Services
- Research & Technology Development
- Business Services Program
- Energy Security - CETA



BSG Description

- Primary Role Program and Business Development
- Executable work scopes – Mentor Protégé Program
- Service Contract Management – ID/IQ & GSA etc. Strong ID/IQ contract portfolio
 - CLEAN III, 4P-AE, RAC, HTRW etc.
 - GSA Environmental Schedule GS10F-0036N
 - DISA MITTS contract



Mentor Protégé Program

- Strong MPP Program presence
 - (40 + contracts complete)
 - Tech. Transfer, Business Systems development, training etc
- 8 Nunn-Perry Award winning teams
 - Through FY2004
- Calendar 2004 - 19 contracts (Delivery Orders), supporting Six Mentors



Mentor Protégé Program

1. Streamlined Contract and Grants Administration
2. Projectized Activity Plans
3. “Reach-Back” capability
 - FIU breadth of Service
4. Innovative Service Offerings
 - Customized to the protégé



Contract and Grants Administration

- Reorganized Office of Sponsored Research
 - (Pre-award / post award)
 - responsive administrative processing of new awards and timely invoicing

Note: FFP “tranlates” easily to a grants oriented accounting environment
- Panthersoft (Peoplesoft®) ERP system
 - Implementation well advanced
- Journyx ®
 - Time & Effort reporting in effect



Projectized Activity Plans

- Business Services Program acts as single point of contact for MPP
 - Program manager responsible for bidding, scope resolution, and Client (Mentor) reporting requirements
- Subject matter expert designated as project manager –
 - responsible for day to day client interactions,
 - project execution, timeliness, budget control and quality of service
- Mentoring and management of student assistants



Reach-Back Capability

- 200 Programs
- 70 plus Research Centers
- 4500 faculty
- Multi-million dollar Investment in facilities and infrastructure for research – nano-technology, microelectronics, fuel cells
- Extensive commitment to DOD
 - Environment, Energy, weapons system engineering analysis,
 - Darpa – multi-mode radar system development
 - Navy – UAV SWARM (Sensor development & Comm. Link)
 - Micro-bubble drag reduction, Gas turbine thermodynamics,
 - Member of DOD ‘corrosion exchange’ etc



- Example: MPP Technology Transfer
 - Method development for
 - “Emerging Contaminants of Concern”
 - Broad University & protégé based team, chemists, micro-biologists, and chemical engineers working as an Integrated Project Team (IPT)
 - Unique method (new service offering for protégé)



Innovative Service Offerings

- PMI [™] PmP Certification – Accredited training
- Developed customized “accelerated project management” training program for protégés
- Leveraged event by providing simultaneous training for two protégé groups – Mentors split funding



- ISO Implementation
- Business Process Re-engineering
 - Accounting systems assessments
 - ERP assessments/ Implementation
 - Microsoft Software training – Project 2003
 - Human resources systems training
 - PMI [™] PmP Certification – Accredited training
 - Customized Business training etc.



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